

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Currently Amended) An antenna connection detection system for confirming connections of two antennae to a radio receiver, comprising:

a receiver having a first antenna connection port and a second antenna connection port;

a first antenna and a second antenna; and

a circuit via which the first and second antennae are in communication with the receiver, wherein the receiver supplies a first voltage signal to the first antenna connection port and detects whether a second voltage said signal is present at the second antenna connection port, thereby confirming that both the first and second antennae are connected to the radio receiver, and

wherein the circuit comprises a low noise amplifier (LNA) module located between the first and second antennae and the receiver ~~and the first and second antennae communicate with each other through the LNA module, and~~

wherein the circuit further comprises a voltage regulator that provides a regulated voltage to the LNA module, the regulator being powered by the first voltage signal.

2. (Previously Canceled).

3. (Original) The system of claim 1, wherein the first antenna is a satellite broadcast reception antenna and the second antenna is a terrestrial broadcast reception antenna.

4. (Previously Presented) The system of claim 1, wherein the LNA module comprises at least two low noise amplifiers and wherein the first and second antennae are in communication with respective low noise amplifiers.

5. (Original) The system of claim 1, wherein the circuit redirects the signal to the second antenna connection port.

6. (Original) The system of claim 1, further comprising a transistor circuit for detecting a presence of the signal.

7. (Original) The system of claim 6, wherein the transistor circuit is located in the radio receiver.

8. (Original) The system of claim 1, wherein the signal is a voltage signal.

9. (Original) The system of claim 1, further comprising means for indicating whether either the first or the second antenna is disconnected.

10. (Currently Amended) A system for detecting whether two antennae are connected to a receiver, comprising:

a first RF feed from a first antenna;

a second RF feed from a second antenna;

a signal generating source in communication with the first RF feed;

a signal detection circuit in communication with the second RF feed;

a DC pathway that includes the first and second RF feeds and electrically connects the signal generating source and signal detection circuit; ~~and~~

a low noise amplifier (LNA) module connected between the first and second antennae and the first and second RF feeds; and

a voltage regulator providing a regulated voltage to the LNA module, wherein the voltage regulator is powered by the signal generating source.

11. (Original) The system of claim 10, wherein the first antenna is one of a satellite broadcast reception antenna and a terrestrial broadcast reception antenna.

12. (Original) The system of 11, wherein the second antenna is the other of a satellite broadcast reception antenna and a terrestrial broadcast reception antenna.

13. (Previously Presented) The system of claim 11, wherein the LNA module comprises a first LNA and a second LNA that are in communication with the first and second antennae,

respectively, and wherein outputs of the first and second LNA are in communication, respectively, with the first and second antenna feeds.

14. (Original) The system of claim 11, wherein the signal generating source and signal detection circuit are located in the receiver.

15. (Original) The system of claim 11, wherein the signal detection circuit comprises a transistor.

16. (Original) The system of claim 11, further comprising a voltage regulator.

17. (Original) The system of claim 11, further comprising means for indicating whether either the first or the second antenna is disconnected.

18. (Currently Amended) A system for confirming that two antennae are connected to a radio receiver, comprising:

a radio receiver comprising a signal generating source, a first antenna feed connection port, a second antenna feed connection port, and a signal detection circuit;

a low noise amplifier (LNA) module comprising a first LNA and a second LNA, wherein the first LNA is in communication with a first antenna and the second LNA is in communication with a second antenna, and wherein outputs of the first and second LNAs are in communication,

respectively, with the first antenna feed connection port and the second antenna feed connection port; and

a signal pathway that passes, at least in part, through the LNA module and electrically connects the signal generating source and the signal detection circuit to each other; and

a regulator providing a regulated voltage to the LNA module, the regulator being powered by the signal generating source.

19. (Original) The system of claim 18, wherein the LNA module further comprises a voltage regulator.

20. (Original) The system of claim 18, wherein the signal generating source comprises a source of voltage.

21. (Original) The system of claim 18, wherein the signal detection circuit comprises a transistor circuit.

22. (Original) The system of claim 18, wherein the first antenna is one of a satellite broadcast reception antenna and a terrestrial broadcast reception antenna.

23. (Original) The system of 22, wherein the second antenna is the other of a satellite broadcast reception antenna and a terrestrial broadcast reception antenna.

24. (Original) The system of claim 18, wherein the signal path way comprises a diode.

25. (Currently Amended) A method of detecting antennae connection, comprising the steps of:

supplying a detection signal to a first antenna connection port;

routing said detection signal through a first antenna feed line;

returning a signal corresponding to said detection signal through a second antenna feed line;

detecting a presence of said signal corresponding to said detection signal at a second antenna connection port; and

~~looping back the detection signal in a low noise amplifier (LNA) module~~

supplying power to a regulator that provides a regulated voltage to a low noise amplifier (LNA) module associated with at least one antenna, the regulator receiving power from said detection signal.

26. (Canceled)

27. (Previously Presented) The method of claim 25, wherein the LNA module comprises a first LNA and a second LNA, and wherein outputs of the first and second LNAs are connected, respectively, the first antenna connection port and the second antenna connection port.

28. (Original) The method of claim 25, further comprising utilizing the detection signal as a power source for at least one low noise amplifier (LNA).

29. (Original) The method of claim 25, further comprising generating an indication of whether the detection signal is detected at the second antenna connection port.